

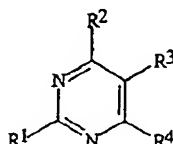
## AMENDED CLAIMS

[received by the International Bureau on 04 August 2005 (04.08.2005);  
new claims 15-17 added; remaining claims unchanged (6 pages)]

## +STATEMENT

What is claimed is:

1. A compound selected from Formula I, an *N*-oxide or an agriculturally suitable salt thereof.



I

wherein

$R^1$  is cyclopropyl optionally substituted with 1-5  $R^5$ , isopropyl optionally substituted with 1-5  $R^6$ , or phenyl optionally substituted with 1-3  $R^7$ ;

$R^2$  is  $((O)_jC(R^{15})(R^{16}))_kR$ ;

10  $R$  is  $CO_2H$  or a herbicidally effective derivative of  $CO_2H$ ;

$R^3$  is halogen, cyano, nitro,  $OR^{20}$ ,  $SR^{21}$  or  $N(R^{22})R^{23}$ ;

$R^4$  is  $-N(R^{24})R^{25}$  or  $-NO_2$ ;

15 each  $R^5$  and  $R^6$  is independently halogen,  $C_1-C_6$  alkyl,  $C_1-C_6$  haloalkyl,  $C_2-C_6$  alkenyl,  $C_2-C_6$  haloalkenyl,  $C_1-C_3$  alkoxy,  $C_1-C_2$  haloalkoxy,  $C_1-C_3$  alkylthio or  $C_1-C_2$  haloalkylthio;

20 each  $R^7$  is independently halogen, cyano, nitro,  $C_1-C_4$  alkyl,  $C_1-C_4$  haloalkyl,  $C_3-C_6$  cycloalkyl,  $C_3-C_6$  halocycloalkyl,  $C_1-C_4$  hydroxyalkyl,  $C_2-C_4$  alkoxyalkyl,  $C_2-C_4$  haloalkoxyalkyl,  $C_2-C_4$  alkenyl,  $C_2-C_4$  haloalkenyl,  $C_3-C_4$  alkynyl,  $C_3-C_4$  haloalkynyl, hydroxy,  $C_1-C_4$  alkoxy,  $C_1-C_4$  haloalkoxy,  $C_2-C_4$  alkenyloxy,  $C_2-C_4$  haloalkenyloxy,  $C_3-C_4$  alkynyloxy,  $C_3-C_4$  haloalkynyloxy,  $C_1-C_4$  alkylthio,  $C_1-C_4$  haloalkylthio,  $C_1-C_4$  alkylsulfinyl,  $C_1-C_4$  haloalkylsulfinyl,  $C_1-C_4$  alkylsulfonyl,  $C_1-C_4$  haloalkylsulfonyl,  $C_2-C_4$  alkenylthio,  $C_2-C_4$  haloalkenylthio,  $C_2-C_4$  alkenylsulfinyl,  $C_2-C_4$  haloalkenylsulfinyl,  $C_2-C_4$  alkenylsulfonyl,  $C_2-C_4$  haloalkenylsulfonyl,  $C_3-C_4$  alkynylthio,  $C_3-C_4$  haloalkynylthio,  $C_3-C_4$  alkynylsulfinyl,  $C_3-C_4$  haloalkynylsulfinyl,  $C_3-C_4$  alkynylsulfonyl,  $C_3-C_4$  haloalkynylsulfonyl,  $C_1-C_4$  alkylamino,  $C_2-C_8$  dialkylamino,  $C_3-C_6$  cycloalkylamino,  $C_4-C_6$  (alkyl)cycloalkylamino,  $C_2-C_6$  alkylcarbonyl,  $C_2-C_6$  alkoxycarbonyl,  $C_2-C_6$  alkylaminocarbonyl,  $C_3-C_8$  dialkylaminocarbonyl,  $C_3-C_6$  trialkylsilyl, phenyl, phenoxy and 5- or 6-membered heteroaromatic rings, each phenyl, phenoxy and 5- or 6-membered heteroaromatic ring optionally substituted with one to three substituents independently selected from  $R^{45}$ ; or

30

- two adjacent R<sup>7</sup> are taken together as -OCH<sub>2</sub>O-, -CH<sub>2</sub>CH<sub>2</sub>O-, -OCH(CH<sub>3</sub>)O-,  
 -OC(CH<sub>3</sub>)<sub>2</sub>O-, -OCF<sub>2</sub>O-, -CF<sub>2</sub>CF<sub>2</sub>O-, -OCF<sub>2</sub>CF<sub>2</sub>O- or -CH=CH-CH=CH-;
- R<sup>15</sup> is H, halogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, hydroxy, C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>2</sub>-C<sub>4</sub> alkylcarbonyloxy;
- 5 R<sup>16</sup> is H, halogen, C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>4</sub> haloalkyl; or  
 R<sup>15</sup> and R<sup>16</sup> are taken together as an oxygen atom to form, with the carbon atom to which they are attached, a carbonyl moiety;
- R<sup>20</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>3</sub> haloalkyl;
- R<sup>21</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>3</sub> haloalkyl;
- 10 R<sup>22</sup> and R<sup>23</sup> are independently H or C<sub>1</sub>-C<sub>4</sub> alkyl;
- R<sup>24</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl optionally substituted with 1-2 R<sup>30</sup>, C<sub>2</sub>-C<sub>4</sub> alkenyl optionally substituted with 1-2 R<sup>31</sup>, or C<sub>2</sub>-C<sub>4</sub> alkynyl optionally substituted with 1-2 R<sup>32</sup>; or R<sup>24</sup> is C(=O)R<sup>33</sup>, nitro, OR<sup>34</sup>, S(O)<sub>2</sub>R<sup>35</sup>, N(R<sup>36</sup>)R<sup>37</sup> or N=C(R<sup>62</sup>)R<sup>63</sup>;
- R<sup>25</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl optionally substituted with 1-2 R<sup>30</sup> or C(=O)R<sup>33</sup>; or
- 15 R<sup>24</sup> and R<sup>25</sup> are taken together as a radical selected from -(CH<sub>2</sub>)<sub>4</sub>·, -(CH<sub>2</sub>)<sub>5</sub>·, -CH<sub>2</sub>CH=CHCH<sub>2</sub>· and -(CH<sub>2</sub>)<sub>2</sub>O(CH<sub>2</sub>)<sub>2</sub>·, each radical optionally substituted with 1-2 R<sup>38</sup>; or
- R<sup>24</sup> and R<sup>25</sup> are taken together as =C(R<sup>39</sup>)N(R<sup>40</sup>)R<sup>41</sup> or =C(R<sup>42</sup>)OR<sup>43</sup>;
- each R<sup>30</sup>, R<sup>31</sup> and R<sup>32</sup> is independently halogen, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> haloalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> haloalkylthio, amino, C<sub>1</sub>-C<sub>3</sub> alkylamino, C<sub>2</sub>-C<sub>4</sub> dialkylamino or C<sub>2</sub>-C<sub>4</sub> alkoxy carbonyl;
- 20 each R<sup>33</sup> is independently H, C<sub>1</sub>-C<sub>14</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, phenyl, phenoxy or benzyloxy;
- R<sup>34</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl or CHR<sup>66</sup>C(O)OR<sup>67</sup>;
- 25 R<sup>35</sup> is C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>3</sub> haloalkyl;
- R<sup>36</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or C(=O)R<sup>64</sup>;
- R<sup>37</sup> is H or C<sub>1</sub>-C<sub>4</sub> alkyl;
- each R<sup>38</sup> is independently halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> haloalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> haloalkylthio, amino, C<sub>1</sub>-C<sub>3</sub> alkylamino, C<sub>2</sub>-C<sub>4</sub> dialkylamino or C<sub>2</sub>-C<sub>4</sub> alkoxy carbonyl;
- 30 R<sup>39</sup> is H or C<sub>1</sub>-C<sub>4</sub> alkyl;
- R<sup>40</sup> and R<sup>41</sup> are independently H or C<sub>1</sub>-C<sub>4</sub> alkyl; or
- R<sup>40</sup> and R<sup>41</sup> are taken together as -(CH<sub>2</sub>)<sub>4</sub>·, -(CH<sub>2</sub>)<sub>5</sub>·, -CH<sub>2</sub>CH=CHCH<sub>2</sub>· or -(CH<sub>2</sub>)<sub>2</sub>O(CH<sub>2</sub>)<sub>2</sub>·;
- 35 R<sup>42</sup> is H or C<sub>1</sub>-C<sub>4</sub> alkyl;
- R<sup>43</sup> is C<sub>1</sub>-C<sub>4</sub> alkyl;
- each R<sup>45</sup> is independently halogen, cyano, nitro, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> halocycloalkyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, C<sub>2</sub>-C<sub>4</sub> haloalkenyl, C<sub>3</sub>-C<sub>4</sub>

alkynyl, C<sub>3</sub>-C<sub>4</sub> haloalkynyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>1</sub>-C<sub>4</sub> haloalkoxy, C<sub>1</sub>-C<sub>4</sub> alkylthio, C<sub>1</sub>-C<sub>4</sub> haloalkylthio, C<sub>1</sub>-C<sub>4</sub> alkylsulfinyl, C<sub>1</sub>-C<sub>4</sub> alkylsulfonyl, C<sub>1</sub>-C<sub>4</sub> alkylamino, C<sub>2</sub>-C<sub>8</sub> dialkylamino, C<sub>3</sub>-C<sub>6</sub> cycloalkylamino, C<sub>4</sub>-C<sub>6</sub> (alkyl)cycloalkylamino, C<sub>2</sub>-C<sub>4</sub> alkylcarbonyl, C<sub>2</sub>-C<sub>6</sub> alkoxy carbonyl, C<sub>2</sub>-C<sub>6</sub> alkylaminocarbonyl, C<sub>3</sub>-C<sub>8</sub> dialkylaminocarbonyl or C<sub>3</sub>-C<sub>6</sub> trialkylsilyl;

R<sup>62</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or phenyl optionally substituted with 1-3 R<sup>65</sup>;

R<sup>63</sup> is H or C<sub>1</sub>-C<sub>4</sub> alkyl; or

R<sup>62</sup> and R<sup>63</sup> are taken together as -(CH<sub>2</sub>)<sub>4</sub>- or -(CH<sub>2</sub>)<sub>5</sub>-;

R<sup>64</sup> is H, C<sub>1</sub>-C<sub>14</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, phenyl, phenoxy or benzyloxy;

each R<sup>65</sup> is independently CH<sub>3</sub>, Cl or OCH<sub>3</sub>;

R<sup>66</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>4</sub> alkoxy;

R<sup>67</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or benzyl;

j is 0 or 1; and

k is 0 or 1;

provided that:

(a) when k is 0, then j is 0;

(b) when R<sup>2</sup> is CH<sub>2</sub>OR<sup>a</sup> wherein R<sup>a</sup> is H, optionally substituted alkyl or benzyl, then R<sup>3</sup> is other than cyano;

(c) when R<sup>1</sup> is phenyl substituted by Cl in each of the meta positions, the phenyl is also substituted by R<sup>7</sup> in the para position;

(d) when R<sup>1</sup> is phenyl substituted by R<sup>7</sup> in the para position, said R<sup>7</sup> is other than *tert*-butyl, cyano or optionally substituted phenyl;

(e) when R<sup>1</sup> is cyclopropyl or isopropyl optionally substituted with 1-5 R<sup>6</sup>, then R is other than C(=W)N(R<sup>b</sup>)S(O)<sub>2</sub>-R<sup>c</sup>-R<sup>d</sup> wherein W is O, S, NR<sup>e</sup> or NOR<sup>e</sup>; R<sup>b</sup> is hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl or C<sub>2</sub>-C<sub>6</sub> alkynyl; R<sup>c</sup> is a direct bond or CHR<sup>f</sup>, O, NR<sup>e</sup> or NOR<sup>e</sup>; R<sup>d</sup> is an optionally substituted heterocyclic or carbocyclic aromatic radical having 5 to 6 ring atoms, the radical being optionally condensed with an aromatic or nonaromatic 5- or 6-membered ring; each R<sup>e</sup> is independently H, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl or phenyl; and R<sup>f</sup> is H, C<sub>1</sub>-C<sub>3</sub> alkyl or phenyl; and

(f) the compound of Formula I is other than diethyl 6-amino-5-nitro-2-phenyl-4-pyrimidinemalonate.

2. The compound of Claim 1 wherein

R<sup>2</sup> is CO<sub>2</sub>R<sup>12</sup>, CH<sub>2</sub>OR<sup>13</sup>, CH(OR<sup>46</sup>)(OR<sup>47</sup>), CHO, C(=NOR<sup>14</sup>)H, C(=NNR<sup>48</sup>R<sup>49</sup>)H, (O)<sub>j</sub>C(R<sup>15</sup>)(R<sup>16</sup>)CO<sub>2</sub>R<sup>17</sup>, C(=O)N(R<sup>18</sup>)R<sup>19</sup>, C(=S)OR<sup>50</sup>, C(=O)SR<sup>51</sup>, C(=S)SR<sup>52</sup> or C(=NR<sup>53</sup>)YR<sup>54</sup>;

- $R^{12}$  is H,  $-\text{CH}\{\text{C}(\text{O})\text{O}(\text{CH}_2)_m\}$ ,  $-\text{N}=\text{C}(\text{R}^{55})\text{R}^{56}$ ; or a radical selected from  $\text{C}_1\text{--}\text{C}_{14}$  alkyl,  $\text{C}_3\text{--}\text{C}_{12}$  cycloalkyl,  $\text{C}_4\text{--}\text{C}_{12}$  alkylcycloalkyl,  $\text{C}_4\text{--}\text{C}_{12}$  cycloalkylalkyl,  $\text{C}_2\text{--}\text{C}_{14}$  alkenyl,  $\text{C}_2\text{--}\text{C}_{14}$  alkynyl and phenyl, each radical optionally substituted with 1–3  $\text{R}^{27}$ ; or
- 5  $R^{12}$  is a divalent radical linking the carboxylic ester function  $\text{CO}_2\text{R}^{12}$  of each of two pyrimidine ring systems of Formula I, the divalent radical selected from  $-\text{CH}_2-$ ,  $-(\text{CH}_2)_2-$ ,  $-(\text{CH}_2)_3-$  and  $-\text{CH}(\text{CH}_3)\text{CH}_2-$ ;
- $R^{13}$  is H,  $\text{C}_1\text{--}\text{C}_{10}$  alkyl optionally substituted with 1–3  $\text{R}^{28}$ , or benzyl;
- $R^{14}$  is H,  $\text{C}_1\text{--}\text{C}_4$  alkyl,  $\text{C}_1\text{--}\text{C}_4$  haloalkyl or benzyl;
- 10  $R^{17}$  is  $\text{C}_1\text{--}\text{C}_{10}$  alkyl optionally substituted with 1–3  $\text{R}^{29}$ , or benzyl;
- $R^{18}$  is H,  $\text{C}_1\text{--}\text{C}_4$  alkyl, hydroxy,  $\text{C}_1\text{--}\text{C}_4$  alkoxy or  $\text{S}(\text{O})_2\text{R}^{57}$ ;
- $R^{19}$  is H or  $\text{C}_1\text{--}\text{C}_4$  alkyl;
- each  $\text{R}^{27}$  is independently halogen, cyano, hydroxycarbonyl,  $\text{C}_2\text{--}\text{C}_4$  alkoxy carbonyl, hydroxy,  $\text{C}_1\text{--}\text{C}_4$  alkoxy,  $\text{C}_1\text{--}\text{C}_4$  haloalkoxy,  $\text{C}_1\text{--}\text{C}_4$  alkylthio,  $\text{C}_1\text{--}\text{C}_4$  haloalkylthio, amino,  $\text{C}_1\text{--}\text{C}_4$  alkylamino,  $\text{C}_2\text{--}\text{C}_4$  dialkylamino,  $-\text{CH}\{\text{O}(\text{CH}_2)_n\}$  or phenyl optionally substituted with 1–3  $\text{R}^{44}$ ; or
- 15 two  $\text{R}^{27}$  are taken together as  $-\text{OC}(\text{O})\text{O}-$  or  $-\text{O}(\text{C}(\text{R}^{58})(\text{R}^{58}))_{1-2}\text{O}-$ ; or
- two  $\text{R}^{27}$  are taken together as an oxygen atom to form, with the carbon atom to which they are attached, a carbonyl moiety;
- 20 each  $\text{R}^{28}$  is independently halogen,  $\text{C}_1\text{--}\text{C}_4$  alkoxy,  $\text{C}_1\text{--}\text{C}_4$  haloalkoxy,  $\text{C}_1\text{--}\text{C}_4$  alkylthio,  $\text{C}_1\text{--}\text{C}_4$  haloalkylthio, amino,  $\text{C}_1\text{--}\text{C}_4$  alkylamino or  $\text{C}_2\text{--}\text{C}_4$  dialkylamino; or
- two  $\text{R}^{28}$  are taken together as an oxygen atom to form, with the carbon atom to which they are attached, a carbonyl moiety;
- 25 each  $\text{R}^{29}$  is independently halogen,  $\text{C}_1\text{--}\text{C}_4$  alkoxy,  $\text{C}_1\text{--}\text{C}_4$  haloalkoxy,  $\text{C}_1\text{--}\text{C}_4$  alkylthio,  $\text{C}_1\text{--}\text{C}_4$  haloalkylthio, amino,  $\text{C}_1\text{--}\text{C}_4$  alkylamino or  $\text{C}_2\text{--}\text{C}_4$  dialkylamino;
- each  $\text{R}^{44}$  is independently halogen,  $\text{C}_1\text{--}\text{C}_4$  alkyl,  $\text{C}_1\text{--}\text{C}_3$  haloalkyl, hydroxy,  $\text{C}_1\text{--}\text{C}_4$  alkoxy,  $\text{C}_1\text{--}\text{C}_3$  haloalkoxy,  $\text{C}_1\text{--}\text{C}_3$  alkylthio,  $\text{C}_1\text{--}\text{C}_3$  haloalkylthio, amino,  $\text{C}_1\text{--}\text{C}_3$  alkylamino,  $\text{C}_2\text{--}\text{C}_4$  dialkylamino or nitro;
- 30  $\text{R}^{46}$  and  $\text{R}^{47}$  are independently  $\text{C}_1\text{--}\text{C}_4$  alkyl or  $\text{C}_1\text{--}\text{C}_3$  haloalkyl; or
- $\text{R}^{46}$  and  $\text{R}^{47}$  are taken together as  $-\text{CH}_2\text{CH}_2-$ ,  $-\text{CH}_2\text{CH}(\text{CH}_3)-$  or  $-(\text{CH}_2)_3-$ ;
- $\text{R}^{48}$  is H,  $\text{C}_1\text{--}\text{C}_4$  alkyl,  $\text{C}_1\text{--}\text{C}_4$  haloalkyl,  $\text{C}_2\text{--}\text{C}_4$  alkylcarbonyl,  $\text{C}_2\text{--}\text{C}_4$  alkoxy carbonyl or benzyl;
- 35  $\text{R}^{49}$  is H,  $\text{C}_1\text{--}\text{C}_4$  alkyl or  $\text{C}_1\text{--}\text{C}_4$  haloalkyl;

$R^{50}$ ,  $R^{51}$  and  $R^{52}$  are H; or a radical selected from  $C_1$ - $C_{14}$  alkyl,  $C_3$ - $C_{12}$  cycloalkyl,  $C_4$ - $C_{12}$  alkylcycloalkyl,  $C_4$ - $C_{12}$  cycloalkylalkyl,  $C_2$ - $C_{14}$  alkenyl and  $C_2$ - $C_{14}$  alkynyl, each radical optionally substituted with 1-3  $R^{27}$ ;

Y is O, S or  $NR^{61}$ ;

5  $R^{53}$  is H,  $C_1$ - $C_3$  alkyl,  $C_1$ - $C_3$  haloalkyl,  $C_2$ - $C_4$  alkoxyalkyl, OH or  $C_1$ - $C_3$  alkoxy;

$R^{54}$  is  $C_1$ - $C_3$  alkyl,  $C_1$ - $C_3$  haloalkyl or  $C_2$ - $C_4$  alkoxyalkyl; or

$R^{53}$  and  $R^{54}$  are taken together as  $-(CH_2)_2-$ ,  $-CH_2CH(CH_3)-$  or  $-(CH_2)_3-$ ;

$R^{55}$  and  $R^{56}$  are independently  $C_1$ - $C_4$  alkyl;

$R^{57}$  is  $C_1$ - $C_4$  alkyl,  $C_1$ - $C_3$  haloalkyl or  $NR^{59}R^{60}$ ;

10 each  $R^{58}$  is independently selected from H and  $C_1$ - $C_4$  alkyl;

$R^{59}$  and  $R^{60}$  are independently H or  $C_1$ - $C_4$  alkyl;

$R^{61}$  is H,  $C_1$ - $C_3$  alkyl,  $C_1$ - $C_3$  haloalkyl or  $C_2$ - $C_4$  alkoxyalkyl;

m is an integer from 2 to 3; and

n is an integer from 1 to 4.

15 3. The compound of Claim 2 wherein  $R^3$  is halogen.

4. The compound of Claim 2 wherein  $R^1$  is cyclopropyl or phenyl substituted with a halogen, methyl or methoxy radical in the para position and optionally with 1-2 radicals selected from halogen and methyl in other positions; and  $R^4$  is  $-N(R^{24})R^{25}$ .

20 5. The compound of Claim 4 wherein  $R^2$  is  $CO_2R^{12}$ ,  $CH_2OR^{13}$ , CHO or  $CH_2CO_2R^{17}$ .

6. The compound of Claim 5 wherein  $R^{24}$  is H,  $C(O)R^{33}$  or  $C_1$ - $C_4$  alkyl optionally substituted with  $R^{30}$ ;  $R^{25}$  is H or  $C_1$ - $C_2$  alkyl; or  $R^{24}$  and  $R^{25}$  are taken together as  $=C(R^{39})N(R^{40})R^{41}$ .

7. The compound of Claim 6 wherein  $R^2$  is  $CO_2R^{12}$ ; and  $R^{24}$  and  $R^{25}$  are H.

25 8. The compound of Claim 7 wherein  $R^{12}$  is H,  $C_1$ - $C_4$  alkyl or benzyl.

9. The compound of Claim 1 selected from the group consisting of:

methyl 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate,

ethyl 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate,

phenylmethyl 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate,

30 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylic acid monosodium salt,

methyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate,

phenylmethyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate,

6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid monosodium salt,

ethyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate,

35 methyl 6-amino-5-chloro-2-(4-chlorophenyl)-4-pyrimidinecarboxylate,

ethyl 6-amino-5-chloro-2-(4-chlorophenyl)-4-pyrimidinecarboxylate,

6-amino-5-chloro-2-(4-chlorophenyl)-4-pyrimidinecarboxylic acid,  
ethyl 6-amino-2-(4-bromophenyl)-5-chloro-4-pyrimidinecarboxylate,  
methyl 6-amino-2-(4-bromophenyl)-5-chloro-4-pyrimidinecarboxylate, and  
6-amino-2-(4-bromophenyl)-5-chloro-4-pyrimidinecarboxylic acid.

5        10. A herbicidal mixture comprising a herbicidally effective amount of a compound  
of Claim 1 and an effective amount of at least one additional active ingredient selected from  
the group consisting of an other herbicide and a herbicide safener.

11. A herbicidal mixture comprising synergistically effective amounts of a  
compound of Claim 1 and an auxin transport inhibitor.

10        12. A herbicidal composition comprising a herbicidally effective amount of a  
compound of Claim 1 and at least one of a surfactant, a solid diluent or a liquid diluent.

13. A method for controlling the growth of undesired vegetation comprising  
contacting the vegetation or its environment with a herbicidally effective amount of a  
compound of Claim 1.

15        14. A herbicidal composition comprising a herbicidally effective amount of a  
compound of Claim 1, an effective amount of at least one additional active ingredient  
selected from the group consisting of an other herbicide and a herbicide safener, and at least  
one of a surfactant, a solid diluent or a liquid diluent.

15        15. A compound which is 2-cyclopropyl-1,6-dihydro-6-oxo-4-pyrimidinecarboxylic  
20        acid.

16. A compound which is 5-chloro-2-cyclopropyl-1,6-dihydro-6-oxo-4-pyrimidine-  
carboxylic acid.

17. A compound which is 5,6-dichloro-2-cyclopropyl-4-pyrimidinecarboxylic acid